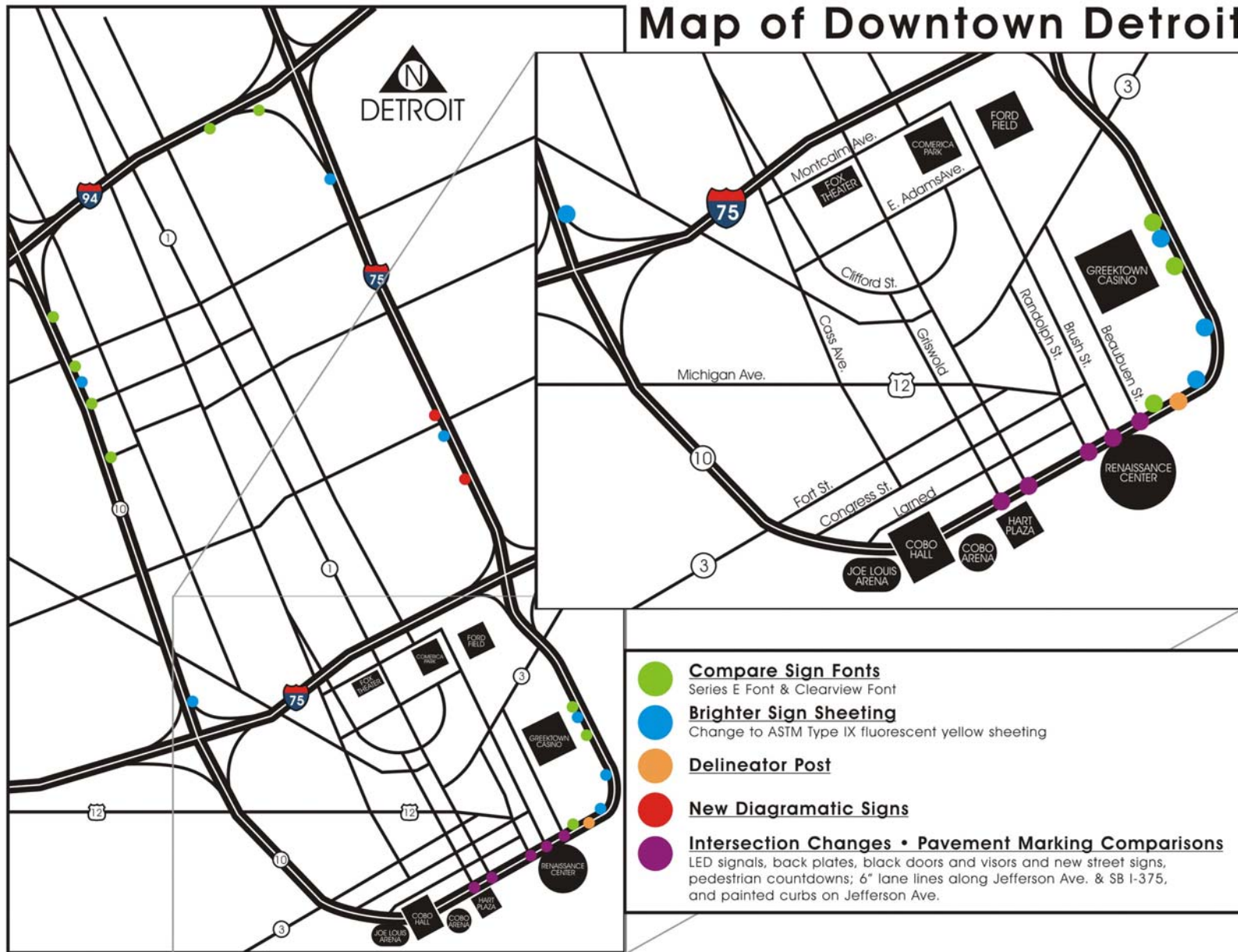


MDOT's Senior Mobility Roadway

Kimberly Lariviere

Map of Downtown Detroit



Guide Signs

The background image shows a highway interchange. In the foreground, there are two large green guide signs. The left sign points left and says 'WEST' and 'City Center'. The right sign points right and says 'Jefferson Ave' and 'EAST'. Below the right sign is a yellow section with the word 'ONLY'. To the left of the signs is a yellow clearance sign that says '14 FT. 2 IN'. In the background, there is a bridge with a clock tower and some cars on the road.

Provide Destination Information

Existing MI Standard for Guide Signing



Side-by-Side Guide Sign Comparison

Series E Modified

Clearview



Forest Ave

Nighttime Side-by-Side Comparison

Clearview



Series E Modified



In Sign Comparison

Series E Modified

Clearview



Enlarged First Letter of Cardinal Direction

First Letter
Same Size



First Letter
25% Larger



ASTM Type III High Intensity vs. Type IX Prismatic Sheeting

High Intensity
Legend & Sheeting



Prismatic Legend on
High Intensity Sheeting



Recommended by TTI &
New Hampshire DOT

Warning Devices

Indication of a change in
conditions



High Intensity vs. Fluorescent Yellow



Fluorescent Yellow Warning Signs



Advisory
Speed



Replaced at
9 Locations



Chevrons

Fluorescent Yellow Merge Sign



Five Locations on Freeway Loop

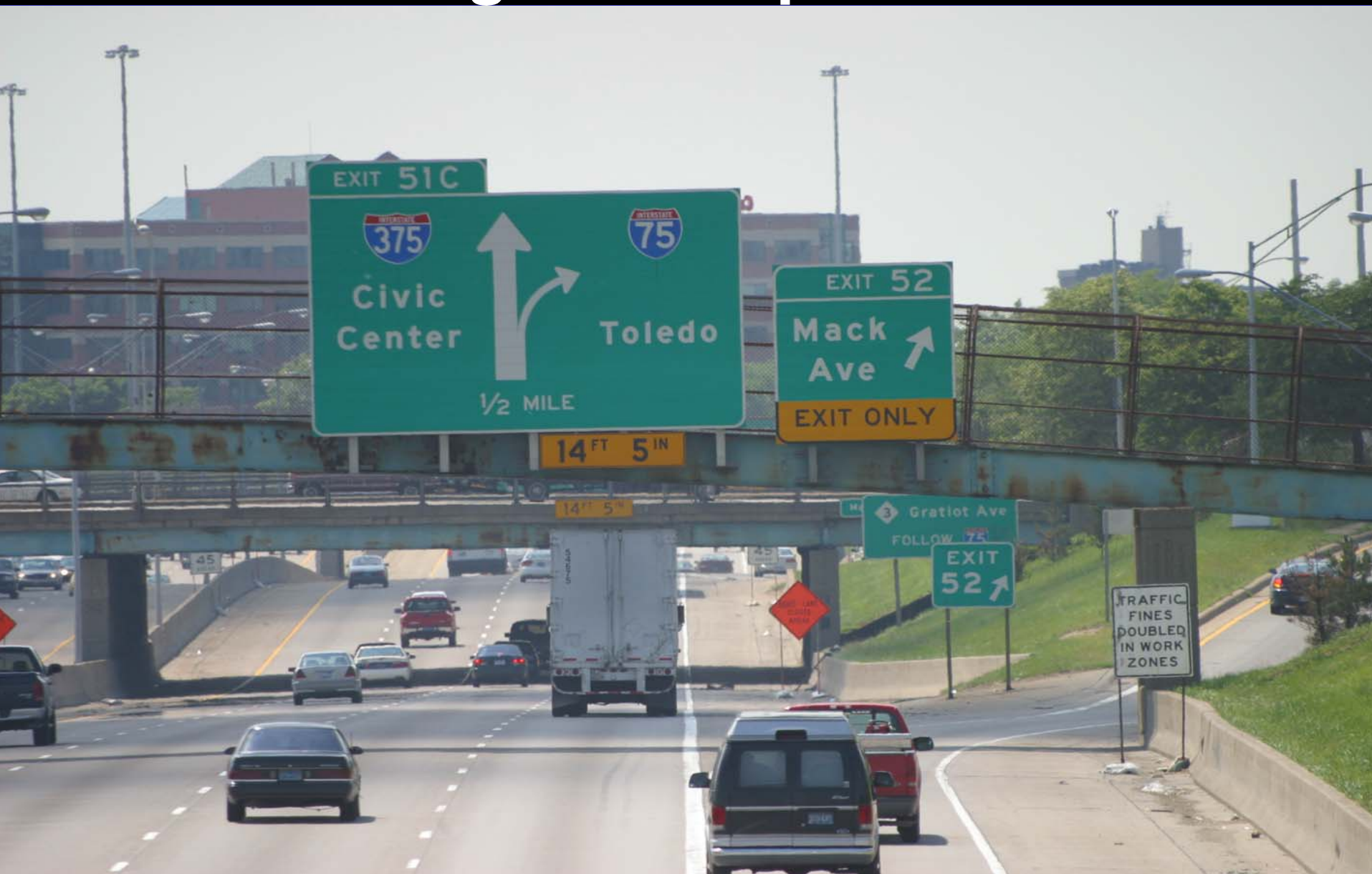
Diagrammatic
Signing

Diagrammatic Signing

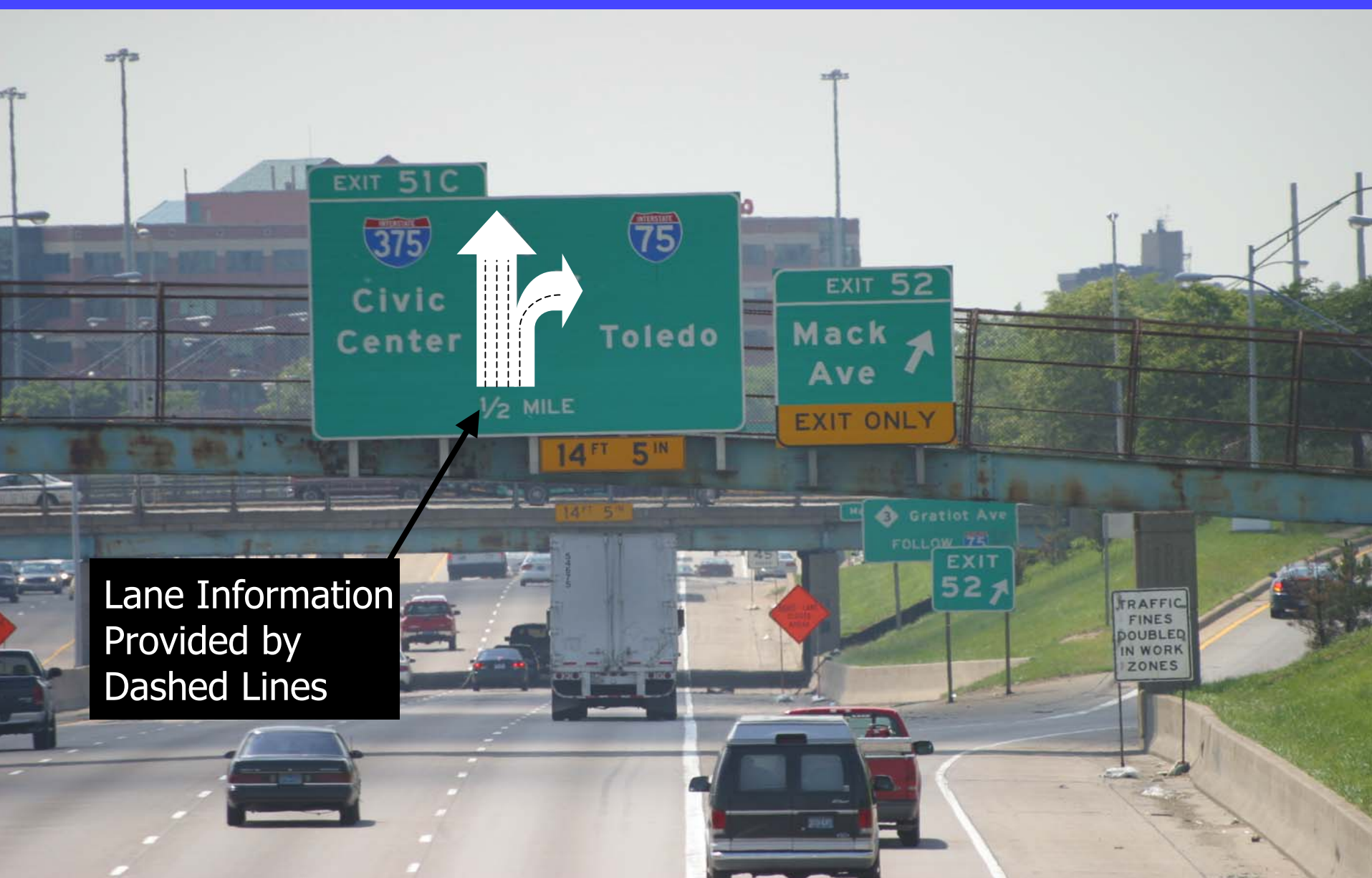
Graphic description of a drivers
Required action



Existing Upstream Diagrammatic Sign for Interchange with Optional Exit Lane



MUTCD Upstream Diagrammatic Sign for Interchange with Optional Exit Lane



Lane Information
Provided by
Dashed Lines

New Upstream Diagrammatic Sign for Interchange with Optional Exit Lane



Existing Signing - Optional Exit Lane



New Signing – Optional Exit Lane



The background image shows a city street scene. On the left, a large building with 'COBC' signage is visible. A white bus with 'Dontchartrai' written on its side is parked. A green directional sign with 'NORTH' and a diamond-shaped sign with the number '10' is mounted on a pole. The street has a crosswalk with white stripes. The text 'Trail Blazing and Lane Use Signing' is overlaid in large, bold, black letters.

Trail Blazing and Lane Use Signing

Provides direction to drivers

No Freeway Entrance Signing



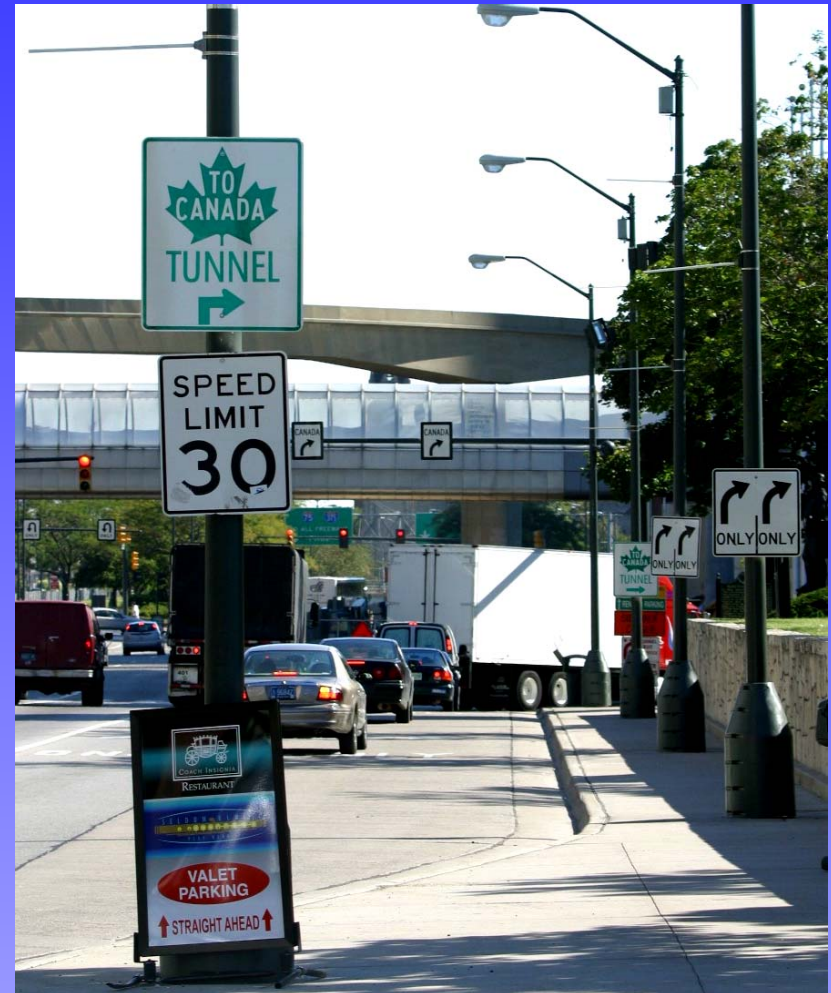
Freeway Entrance Signing



Tunnel to Canada Signing Upgrade



BEFORE
4" Letters for
"TUNNEL"



AFTER
6" Letters for
"TUNNEL"

OLD Lane Use Signing for the Tunnel to Canada

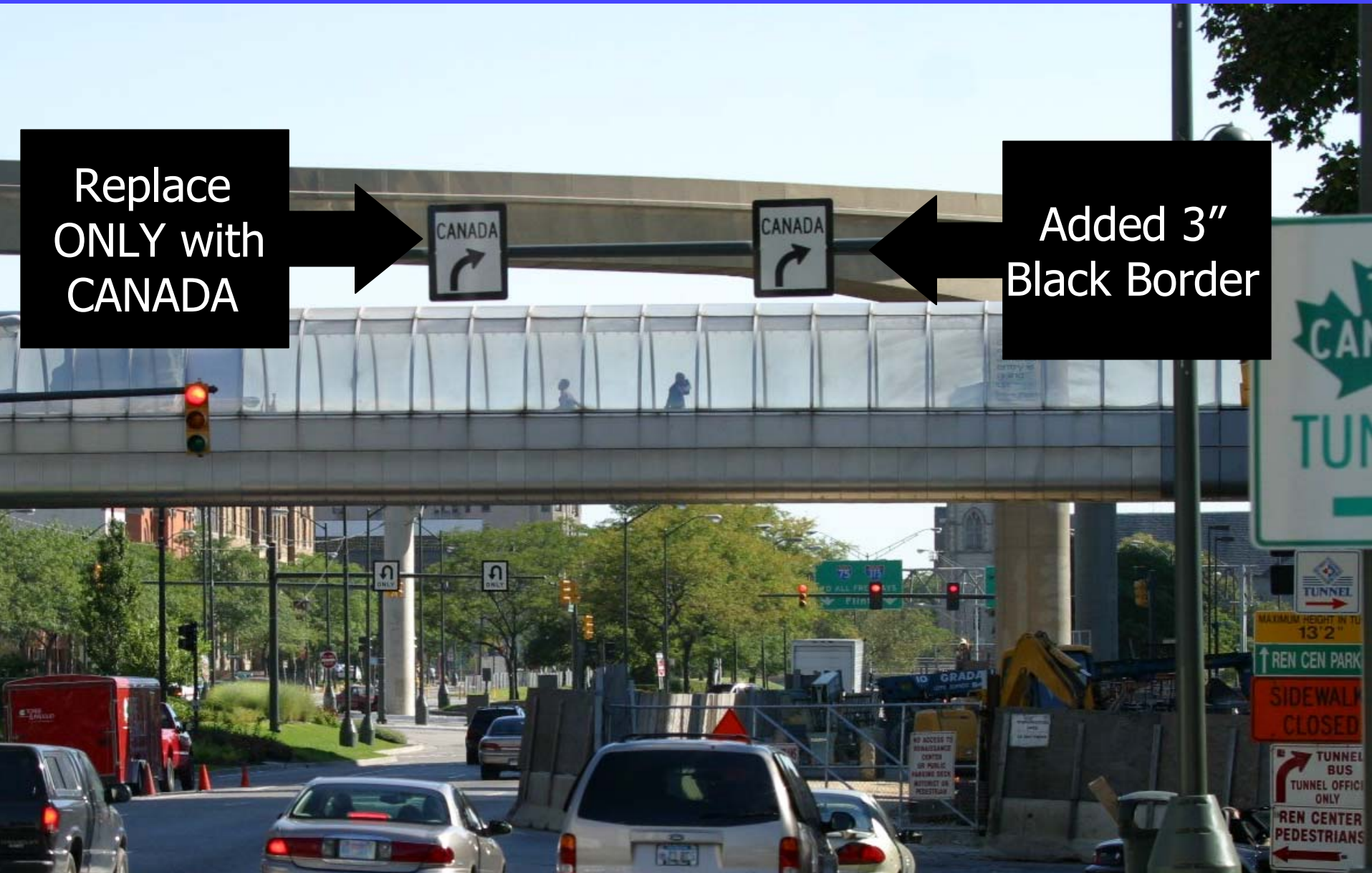


NEW Lane Use Signing for the Tunnel to Canada

Replace
ONLY with
CANADA



Added 3"
Black Border



Lane Use Control Signs



BEFORE
No Black Border



AFTER
3" Black Border



Street Name Signing

City of Detroit's Street Name Signs

NEW - 6" Clearview
High Intensity Sheeting

OLD - 5 3/8" Hwy Series D
Engineering Grade Sheeting



Internally Illuminated Street Name Sign 8" Series E Modified Lettering



11" Clearview



12" Clearview



8" Clearview

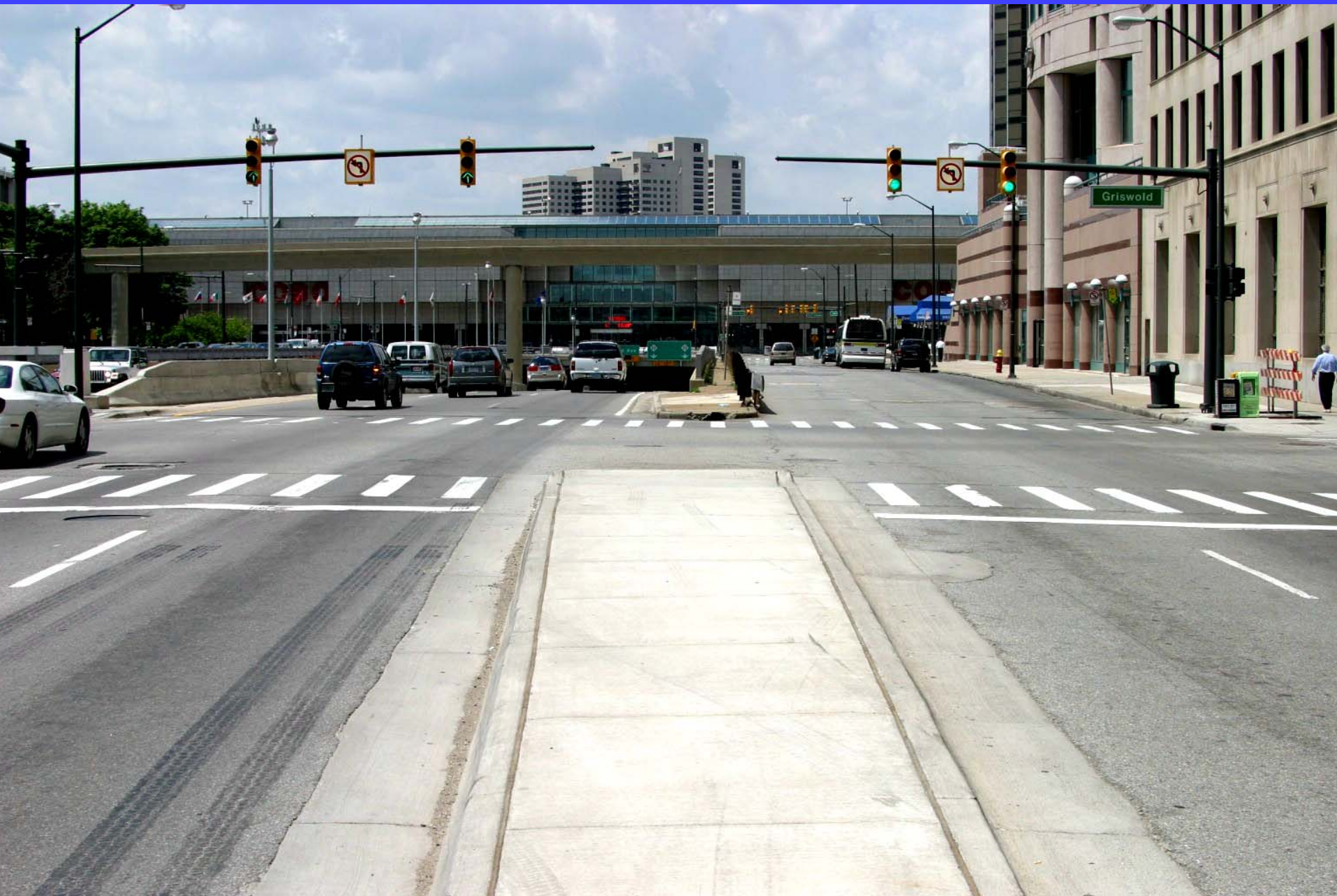


12" Clearview

Traffic Signals



Yellow Signals with NO Backplates



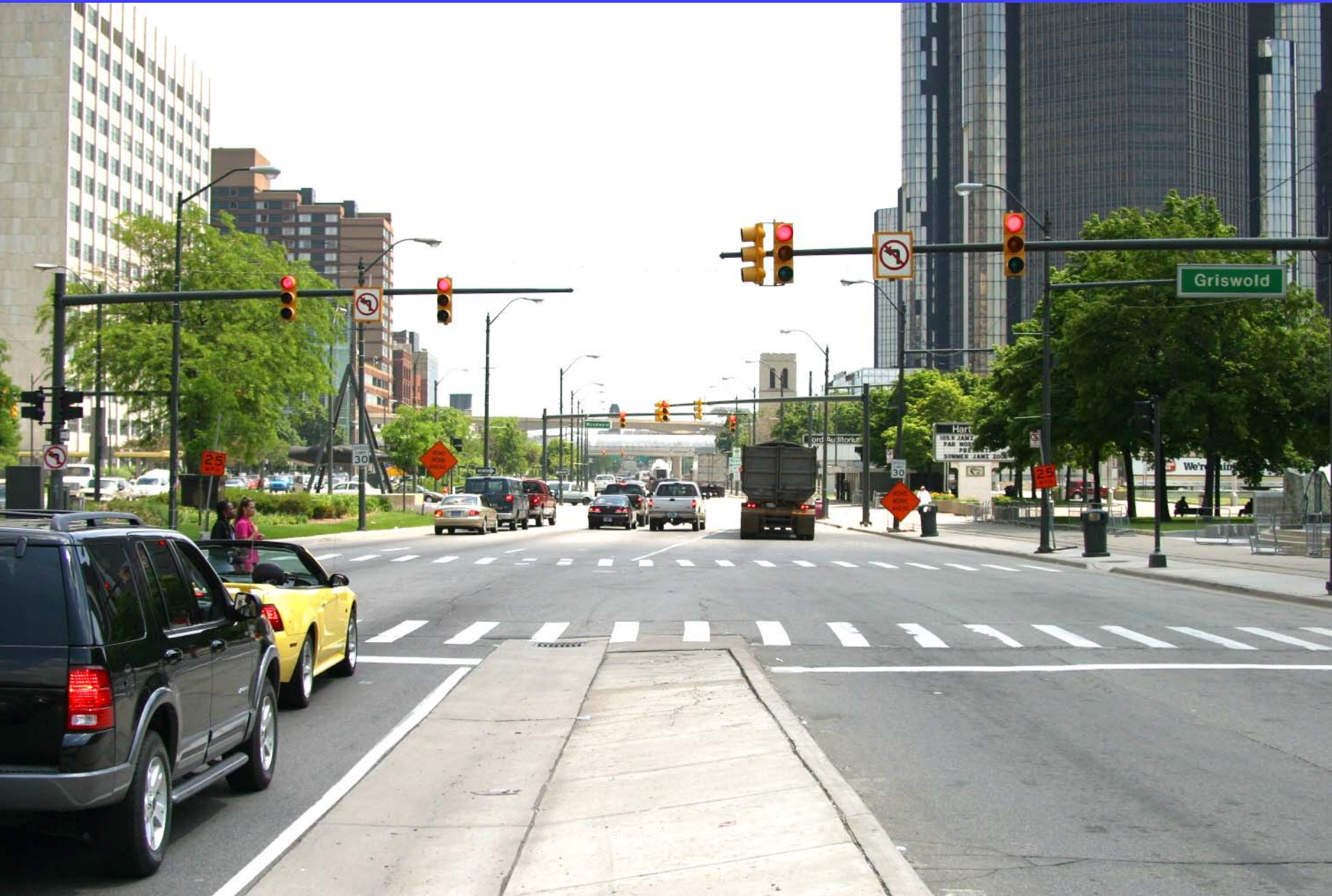
Black Signal Faces & Backplates



Black Signal Faces with Reflective Yellow Backplates



Yellow Signals with NO Backplates



Yellow Signal Faces and Reflective Yellow Backplates



Provide All-Red Clearance Intervals - ITE



Replace some Incandescent Signal Lenses with LED Lenses



Incandescent Lens



LED Lens

An aerial photograph of a road surface with white painted markings. The markings include several parallel diagonal lines on the left side and a large, U-shaped symbol on the right side. The text 'Pavement Markings' is overlaid in the center in a large, bold, black font.

Pavement Markings

Paint the Curb Radii



Painted Curb Radii at Night

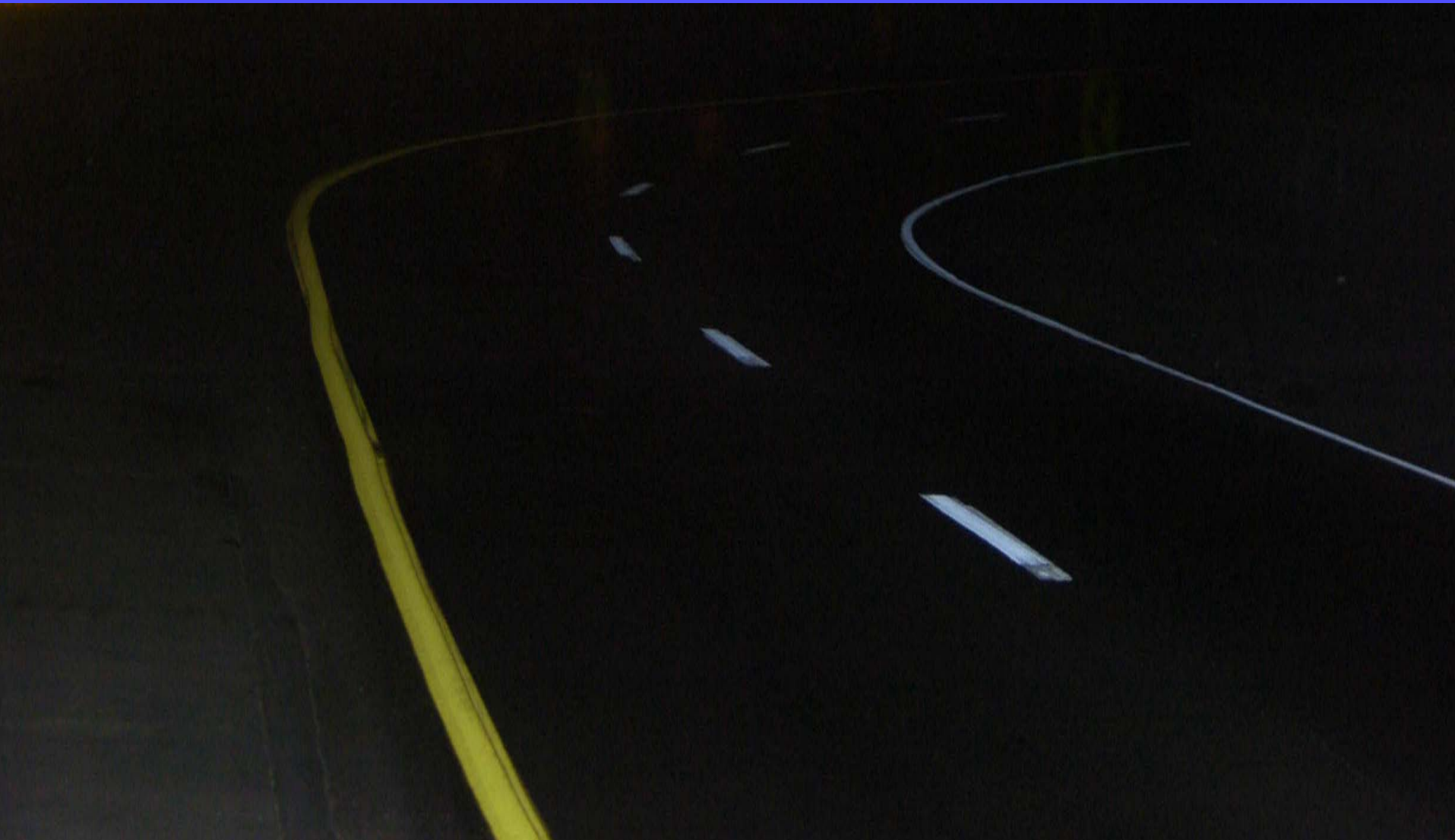


Painted
Curb
Radii

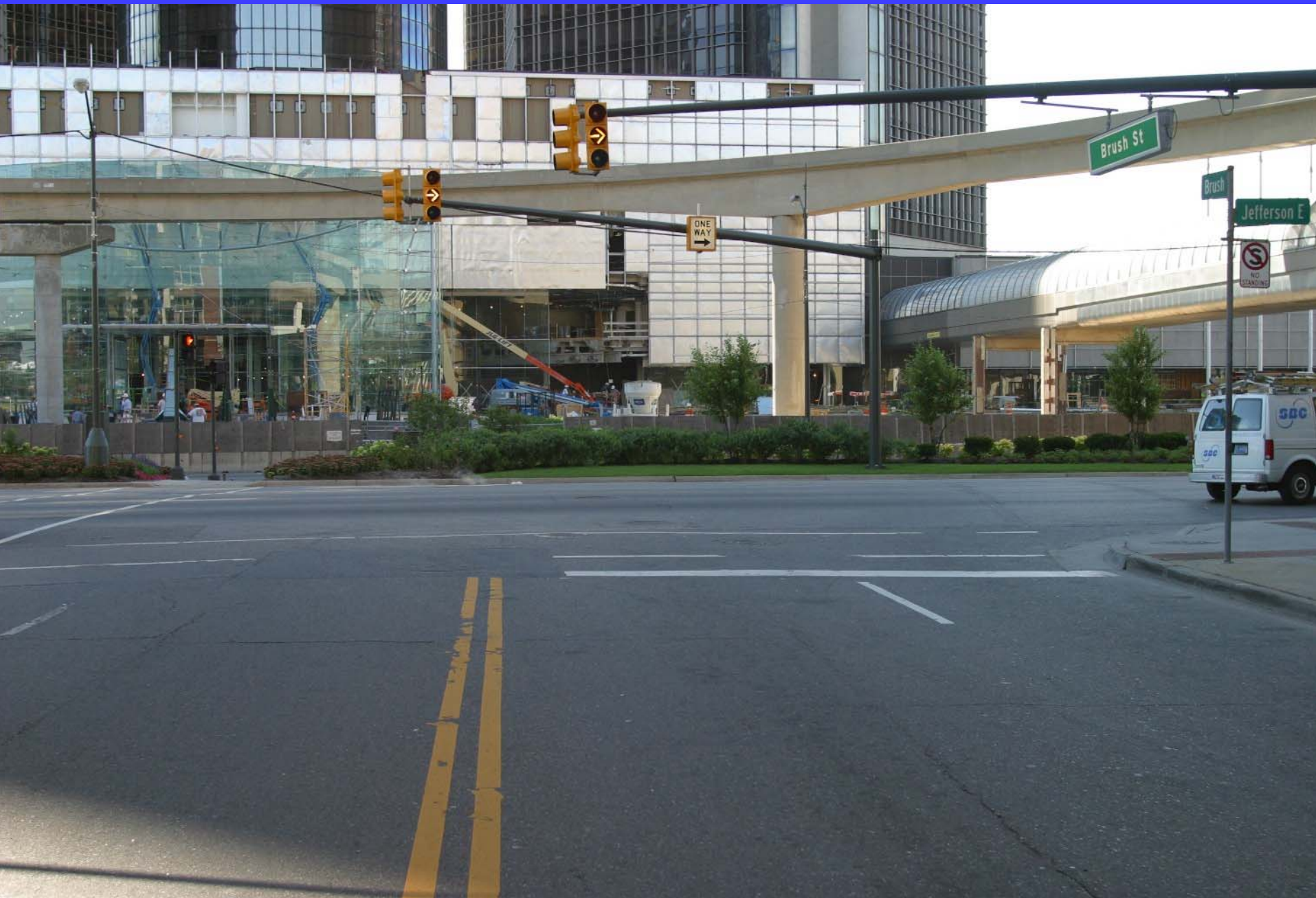
Horizontal Signing on Jefferson for M-10

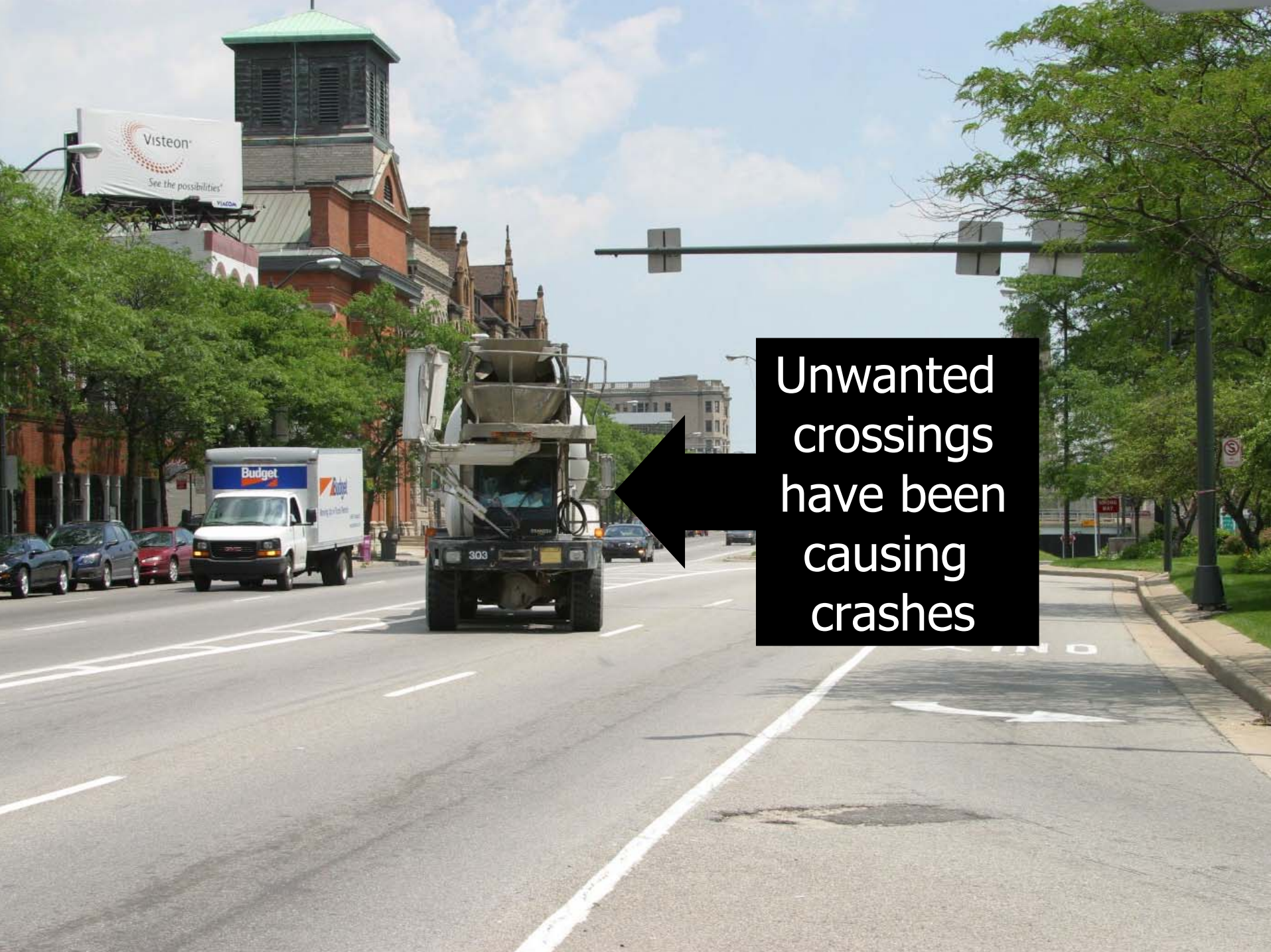


Wider Edge and Lane Lines



No Lane Use Arrows on Pavement





Unwanted
crossings
have been
causing
crashes

AFTER - Flexible Delineator Posts



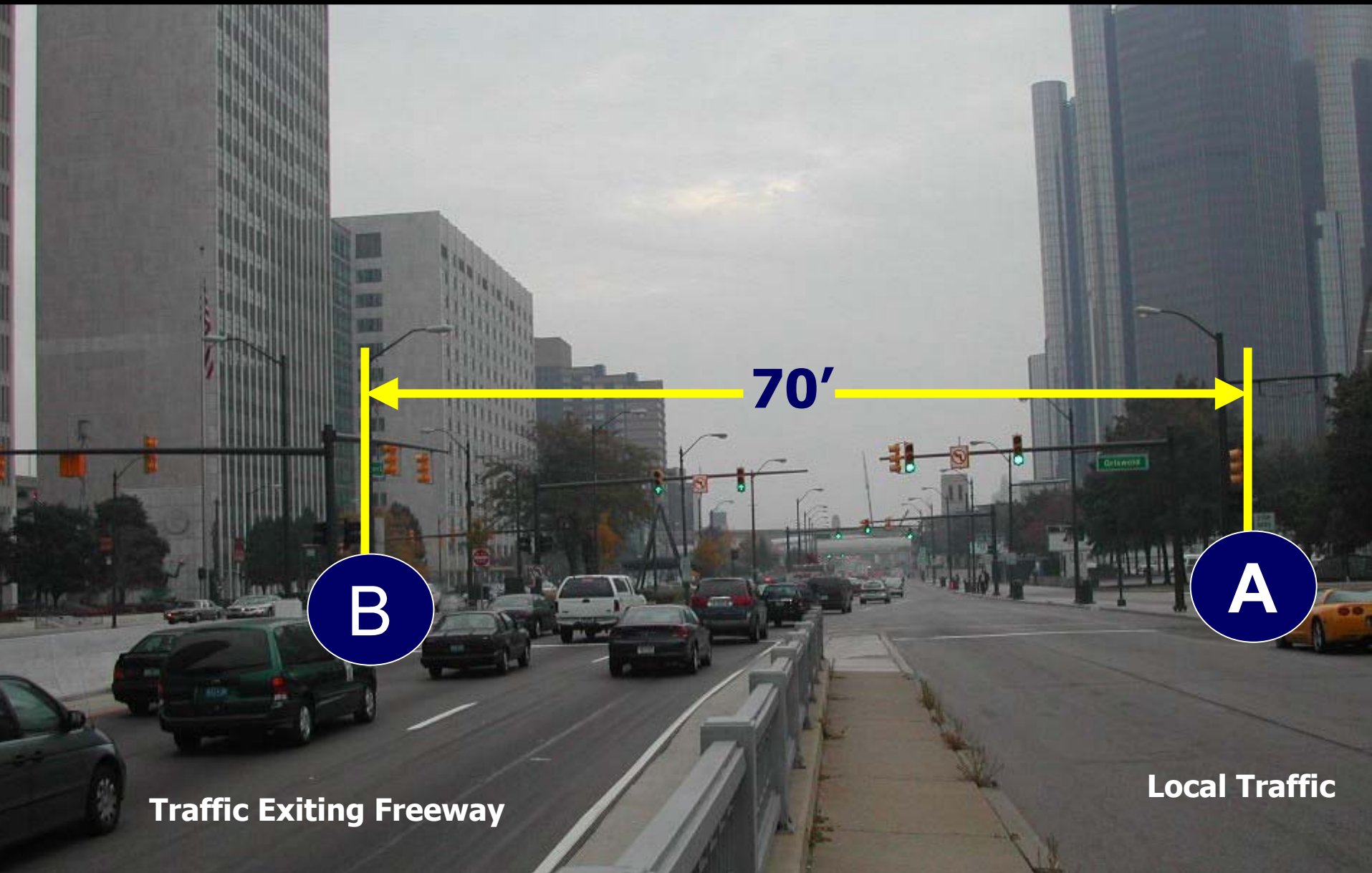
Flexible Delineator Posts at Night



A photograph showing four men from behind as they walk across a city street crosswalk. The man on the far left is wearing a maroon long-sleeved shirt and dark trousers, and is holding a mobile phone to his ear. The second man is wearing a dark blue tank top and light blue jeans. The third man is wearing a dark blue polo shirt and khaki shorts. The man on the far right is wearing a white long-sleeved shirt and khaki trousers. They are walking on a paved street with white crosswalk stripes. In the background, there are trees, a building, and a utility box. The word "Pedestrians" is overlaid in large, bold, black text across the center of the image.

Pedestrians

Wide Crossing



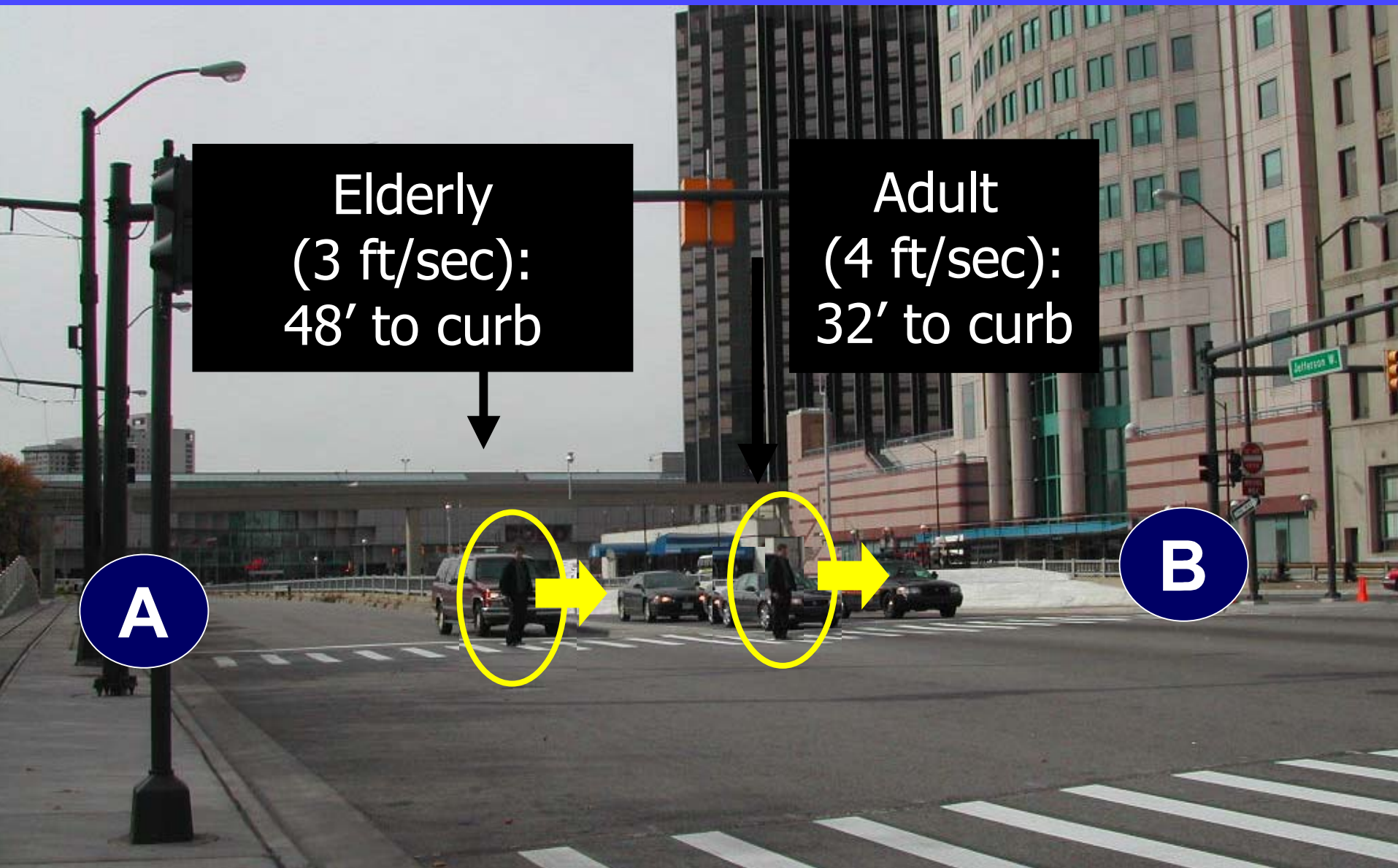
Traffic Exiting Freeway

Local Traffic

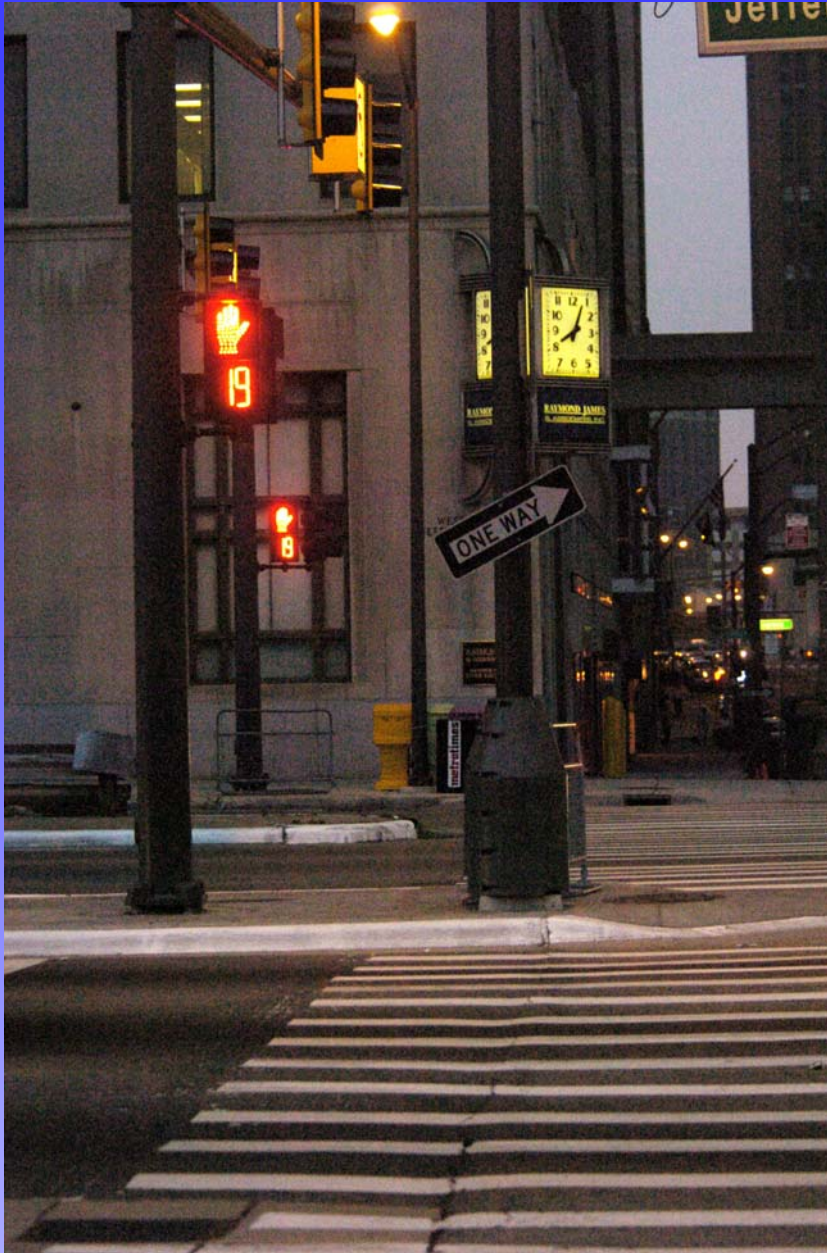
Traditional Pedestrian Signals



Where is Ped at end of WALK Signal?



Pedestrian Countdown Signals



Benefits:

- Provides Additional Information to Ped
- Peds Adjust Speed
- Peace of Mind

Old Style Pedestrian Signing



New Style Pedestrians Signing



Elderly Mobility Engineering Measures

- MDOT has switched to 6" edge lines on all state roadways
- MDOT is switching to fluorescent yellow sheeting on all warning signs
- MDOT is installing LED lenses on all our signals
- MDOT is changing to clearview font on all freeway guide signs

Measures everyone can take

- Relocate or remove left turn
- Simplify the turning movement
- 12" signal lenses
- One signal head centered over each lane of traffic

Other changes

- Adoption of a State Strategic Highway Safety Plan
- Elderly Mobility and Safety is one of the 13 focus points of the plan
- Michigan is part of the AASHTO Lead State Initiatives for Elderly Mobility
- Rumble Strips
- Implement Michigan's Elderly Mobility & Safety Final Plan of Action, dated August 1999.
- MDOT has designated an Elderly Mobility Specialist.